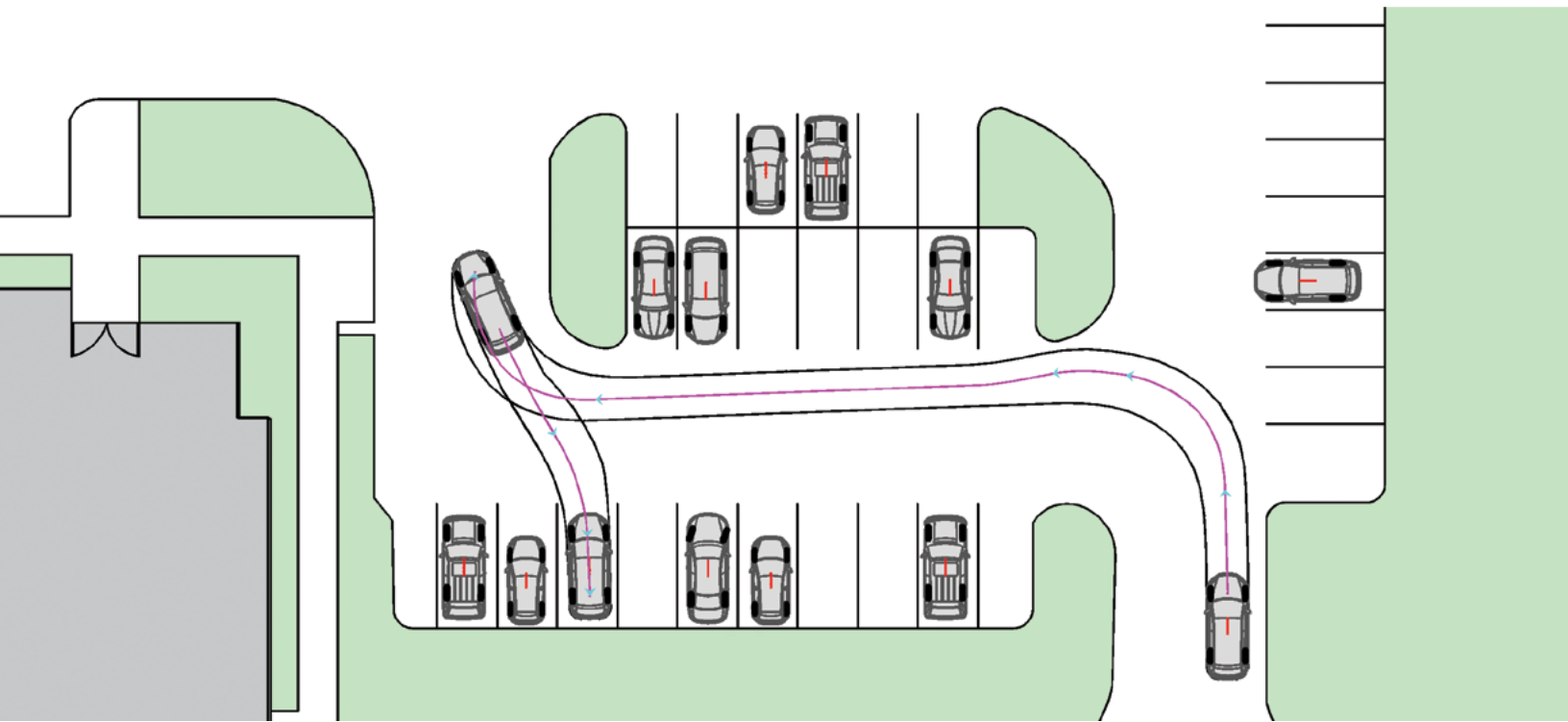# AUTOTURN LITE ™

Swept path analysis software

AutoTURN Lite is an introductory vehicle swept path analysis tool. Easy to learn and use, AutoTURN Lite supports the modeling of basic vehicle movements, such as passenger vehicle turns in parking lots and intersections. The software helps you create designs that ensure safe and efficient vehicle access and adherence to road design guidelines.

What is Swept Path Analysis?

Swept Path Analysis is the examination of the movement and path of a vehicle to determine the space requirements for vehicle turning maneuvers. Making swept path analysis part of each phase of your design process can help you avoid costly and time-consuming mistakes by ensuring your designs safely and efficiently accommodate vehicle movements.

How AutoTURN Lite will help you

AutoTURN® Lite provides cost-conscious engineers, architects and designers a simple and reliable option for performing basic vehicle maneuvers in the design of roadways, loading zones, parking lots and driveways.

AutoTURN Lite comes with core turning simulation features that are convenient and easy to use:

- Generate and Visualize Vehicle Paths – Maneuver design vehicles to produce a visual clearance envelope that allows you to easily assess if the geometric design can accommodate the vehicle movements.
- Perform Forward Vehicle Turn Simulations - Quickly perform forward vehicle simulations for single unit (e.g. cars, buses, etc.) and single trailer vehicles (semi-trailers) to quickly test any road or site for accessibility and spatial requirements.

- Undertake Reverse Vehicle Turning Maneuvers - Perform reverse vehicle maneuvers single unit vehicles to evaluate backing out scenarios across a multitude of projects.
- Animate Simulations - For realistic presentations, you can visualize how the vehicle traverses along a rendered path.

VEHICLE LIBRARIES

AutoTURN Lite comes with one library selected from the following list. Additional vehicle libraries are available for a fee.

- **Canada:** ALBERTA DB68, ALBERTA INFRASTRUCTURE, TAC 1999
- **United States:** AASHTO 2001, AASHTO 2004, AASHTO 2011, AASHTOM 2001, AASHTOM 2004, AASHTOM 2011, CALTRANS 2005, CALTRANS 2008, CALTRANS 2012, CALTRANSM 2005, CALTRANSM 2008, FL IDG 2007, IL DOT 2002, IL DOTM 2002, STAA 1982

COMPATIBILITY

AutoTURN Lite is compatible with the following CAD platforms:

- Autodesk AutoCAD 2010 - 2019
- Autodesk® AutoCAD® Civil 3D® 2010 - 2019
- BricsCAD® Pro and Platinum (V16 and V17)
- ZWSOFT® ZWCAD® 2017 - 2018

AUTODESK Authorized Developer Bentley Sustaining Infrastructure

BRICSCAD ZWCAD+

LANGUAGES SUPPORTED

The AutoTURN software is available in English, French, German, Italian and Spanish.

ABOUT TRANSOFT SOLUTIONS

HEAD OFFICE – *North America*

Transoft Solutions, Inc. develops planning, design and analysis software for each phase of the transportation design process. We create innovative and easy-to-use software for transportation professionals, serving over 50,000 users across 120 countries. Since 1991, civil engineers and technologists, architects, and city plan-ners across traffic engineers across local, regional and national road authorities, airport authorities, cities, ports, and infrastructure consultants have come to rely on Transoft's field-researched design solutions.

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